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NOTICE OF ALLOWANCE AND FEE(S) DUE

76385 7590 07/24/2009

Hollingsworth & Funk, LLC
8009 34th Avenue South
Suite 125
Minneapolis, MN 54425

EXAMINER

WORJOH, JALATEE

ART UNIT

PAPER NUMBER

3685

DATE MAILED: 07/24/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/681,393

10/08/2003

Marko H. Kokko

KOLS.055PA

7449

TITLE OF INVENTION: METHOD AND ARRANGEMENT FOR CONCEALING TRUE IDENTITY OF USER IN COMMUNICATIONS SYSTEM

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	10/26/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

**Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE
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INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

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Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

76385 7590 07/24/2009

Hollingsworth & Funk, LLC
8009 34th Avenue South
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I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/681,393 10/08/2003 Marko H. Kokko KOLS.055PA 7449

TITLE OF INVENTION: METHOD AND ARRANGEMENT FOR CONCEALING TRUE IDENTITY OF USER IN COMMUNICATIONS SYSTEM

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nonprovisional NO \$1510 \$300 \$0 \$1810 10/26/2009

EXAMINER	ART UNIT	CLASS-SUBCLASS
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WORLOH, JALATEE 3685 705-074000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, 1 _____
- (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 2 _____
- 3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent) : ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☐ Issue Fee
- ☐ Publication Fee (No small entity discount permitted)
- ☐ Advance Order - # of Copies _____

4b. Payment of Fee(s); (Please first reapply any previously paid issue fee shown above)

- ☐ A check is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

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Date _____

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This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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76385	7590	07/24/2009	EXAMINER	
Hollingsworth & Funk, LLC 8009 34th Avenue South Suite 125 Minneapolis, MN 54425			WORJLOH, JALATEE	
			ART UNIT	PAPER NUMBER
			3685	
DATE MAILED: 07/24/2009				

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 265 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 265 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability	Application No.	Applicant(s)	
	10/681,393	KOKKO, MARKO H.	
	Examiner	Art Unit	
	Jalatee Worjloh	3685	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed 4/20/2009.
2. ☒ The allowed claim(s) is/are 1-3,5,6,8-16,18-23,30,33,34 and 37-52.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

/Jalatee Worjloh/
Primary Examiner, Art Unit 3685

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Erin M. Nichols on July 22, 2009.

1. (Currently amended) A method comprising:
 - requesting a virtual identifier from a first user equipment;
 - establishing a virtual identifier for ~~[[a]]~~the first user equipment in at least one of: the first user equipment and the service network;
 - linking the virtual identifier of the first user equipment to a characteristic identifier of the first user equipment;
 - requesting from a service network, by a second user equipment, a communications connection to be established to the first user equipment by using the virtual identifier of the first user equipment;
 - matching the virtual identifier used in the request from the second user equipment to a database of virtual identifiers linked to characteristic identifiers in the service network; and
 - establishing, by the service network, the requested communications connection from the second user equipment to the first user equipment when the characteristic identifier matching the virtual identifier of the first user equipment has been found on the basis of the matching.
21. (Currently amended) An apparatus configured to:
 - request a virtual identifier;
 - establish a virtual identifier;
 - link the virtual identifier of the apparatus to a characteristic identifier of the apparatus ~~for enabling~~ in order to configure a second apparatus to request from the service network a

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communications connection to be established to the apparatus by using the virtual identifier of the apparatus, and ~~for enabling in order to configure~~ the service network to establish the requested communications connection from the second apparatus to the apparatus on the basis of determining that the characteristic identifier ~~matching~~matches the virtual identifier of the apparatus.

30. (Currently amended) A method comprising:

establishing a connection between a first user equipment and a second user equipment when a virtual identifier established for the first user equipment in at least one of: the first user equipment and the service network, consisting at least in part of numbers where at least a portion of the numbers identify the virtual identifier as a virtual identifier, linked to a first characteristic identifier of the first user equipment, and having predetermined one or more limitations for the use of the virtual identifier, the virtual identifier of the first user equipment is used by the second user equipment in a request to the service network for establishing a communications connection to the first user equipment, and the service network matches the virtual identifier used in the request from the second user equipment to a database of virtual identifiers linked to characteristic identifiers in the service network, and establishes the requested communications connection from the second user equipment to the first user equipment when the characteristic identifier matching the virtual identifier of the first user equipment has been found on the basis of the matching.

31. (Canceled)

33. (Currently amended) The apparatus of claim [[31]]34, wherein the apparatus is further configured to send the virtual identifier to the first user equipment via a short message service.

34. (Currently amended) An apparatus, comprising a processor configured to:

link a virtual identifier established for a first user equipment ~~in at least one of the following: the first user equipment and a service network~~ to a characteristic identifier of the first user equipment ~~for enabling in order to configure~~ the use of the virtual identifier of the first user equipment for communication between the first and a second user equipment wherein the virtual

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identifier consists at least partly of numbers where at least a portion of the numbers identify the virtual identifier as a virtual identifier;

predetermine one or more limitations for the use of the virtual identifier;

receive a request comprising the virtual identifier of the first user equipment from the second user equipment for establishing a communication connection between the first and second user equipments, wherein communication between the first and second user equipments takes into account the one or more predetermined limitations;

match the virtual identifier used in the request from the second user equipment to a database of virtual identifiers linked to characteristic identifiers; and

establish the requested communications connection from the second user equipment to the first user equipment when the characteristic identifier matching the virtual identifier of the first user equipment has been found on the basis of the matching.

36. (Canceled)

49. (Currently amended) The apparatus of claim [[31]]34, wherein the processor configured to predetermine one or more limitations for the use of the virtual identifier includes being configured to predetermine a given validity period during which the virtual identifier is valid.

50. (Currently amended) The apparatus of claim [[31]]34, wherein the processor configured to predetermine one or more limitations for the use of the virtual identifier includes being configured to predetermine one or more user equipments permitted to use the virtual identifier.

51. (Currently amended) The apparatus of claim [[31]]34, wherein the processor configured to predetermine one or more limitations for the use of the virtual identifier includes being configured to predetermine certain time periods in which the virtual identifier may be used.

52. (Currently amended) The apparatus of claim [[31]]34, wherein the processor configured to predetermine one or more limitations for the use of the virtual identifier includes being configured to predetermine that a virtual identifier may only be used in national communication.

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2. Claims 1-3, 5, 6, 8-16, 18-23, 30, 33, 34, and 37-52 are allowed.

Reasons for Allowance

3. The following is an examiner's statement of reasons for allowance:

Regarding the claimed terms, the Examiner notes that a "general term must be understood in the context in which the inventor presents it." *In re Glaug* 283 F.3d 1335, 1340, 62 USPQ2d 1151, 1154 (Fed. Cir. 2002). Therefore the Examiner must interpret the claimed terms as found on pages 1- 13 of the specification. Clearly almost all the general terms in the claims may have multiple meanings. So where a claim term "is susceptible to various meanings, . . . the inventor's lexicography must prevail" *Id.* Using these definitions for the claims, the claimed invention was not reasonably found in the prior art.

The closest prior art of record includes US Publication No. 2001/0029496 to Otto, US Patent No. 7069249 to Stolfo et al. ("Stolfo"), and US Publication No. 2003/0069857 to Junda. These references teach different aspects of the claimed invention; however, the combination of these references fail to disclose at least the concept of requesting from a service network, by a second user equipment, a connection to be established to the first user equipment by using the virtual identifier of the first user equipment as described in the independent claims. Moreover, the missing claimed element is not found in a reasonable number of reference(s).

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- EP 1089516 to Grandcolas et al.
- US Publication No. 2008/0263639 to Maria.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jalatee Worjloh whose telephone number is 571-272-6714. The examiner can normally be reached on Monday - Friday 10:00 - 6:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Calvin Hewitt II can be reached on 571-272-6709. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300 for regular communications and 571-273-6714 for Non-Official /Draft.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Jalatee Worjloh/
Primary Examiner, Art Unit 3685

Application/Control Number: 10/681,393

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